

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

Please cancel claims 4 and 5 without prejudice or disclaimer.

1. (Currently Amended) A rubber composition comprising 100 parts by weight of a rubber component containing a modified conjugated diene-based polymer having a fullerene bonded thereto in the molecule in an amount of 0.001 to 2 molecules per one molecular chain of the modified conjugated diene-based polymer and a weight average molecular weight of 50,000 or more in an amount of 0.5 to 100% by weight based upon the total amount of the rubber component and 5 to 100 parts by weight of a reinforcing filler, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion polymerization of (i) the conjugated diene-based polymer, or an aromatic vinyl monomer and the conjugated diene monomer, and (ii) a fullerene.

2. (Currently Amended) A rubber composition as claimed in claim 1, wherein the amount of the fullerene bonded to the modified conjugated diene-based polymer is ~~0.001~~ 0.01 to 2 molecules per one molecular chain of the modified conjugated diene-based polymer.

3. (Previously Presented) A rubber composition as claimed in claim 1, further comprising 0.1 to 10 parts by weight of a vulcanizing agent, based upon 100 parts by weight of the rubber component.

4. (Previously Presented) A rubber composition as claimed in claim 1, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion polymerization of the conjugated diene-based polymer and a fullerene.

5. (Previously Presented) A rubber composition as claimed in claim 1, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion polymerization of an aromatic vinyl monomer and a conjugated diene monomer with a fullerene,

6. (Original) A rubber composition as claimed in claim 5, wherein the aromatic vinyl monomer unit forms 10 to 80% by weight of the modified conjugated diene-based polymer.

7 (New) A rubber composition as claimed in claim 2, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion polymerization of the conjugated diene-based polymer and a fullerene.

8 (New) A rubber composition as claimed in claim 3, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion polymerization of the conjugated diene-based polymer and a fullerene.

9 (New) A rubber composition as claimed in claim 2, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion polymerization of an aromatic vinyl monomer and a conjugated diene monomer with a fullerene,

10. (New) A rubber composition as claimed in claim 9, wherein the aromatic vinyl monomer unit forms 10 to 80% by weight of the modified conjugated diene-based polymer.

11. (New) A rubber composition as claimed in claim 3, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion polymerization of an aromatic vinyl monomer and a conjugated diene monomer with a fullerene,

12. (New) A rubber composition as claimed in claim 11, wherein the aromatic vinyl monomer unit forms 10 to 80% by weight of the modified conjugated diene-based polymer.

13. (New) A rubber composition as claimed in claim 2, further comprising 0.1 to 10 parts by weight of a vulcanizing agent, based upon 100 parts by weight of the rubber component.

14. (New) A rubber composition as claimed in claim 7, further comprising 0.1 to 10 parts by weight of a vulcanizing agent, based upon 100 parts by weight of the rubber component.